### **Amendments to the Drawings:**

The attached drawing sheets show amendments to FIGs. 24B and 24C. Specifically, the two drawings of former FIG. 24B have been separately labeled as FIG. 24B1 and FIG. 24B2, and FIG. 24C has been amended to include the cross-sectional view 24C-24C.

Attachments: 2 replacement sheets

#### Remarks

Claims 1, 39-41 and 43-45 are pending in this application. Claims 2-38 and 42 have been canceled, without prejudice or disclaimer. Claims 1, 39-41 and 43-45 stand rejected. Favorable reconsideration is respectfully requested.

### IDS

The Office Action stated that copies of ROC 51781, ROC 394679 and ROC 328711 had not been included in the IDS filed February 18, 2004. Accordingly, copies of the latter references are attached hereto.

It is further noted that the form 1449 filed with the IDS filed February 18, 2004 inadvertently omitted FR 2 761 255 A, although the IDS itself included the following language: "... the following are attached pursuant to 37 CFR §1.98(a)(2) & (3) ... copies of Search Reports for PCT/US01/26398 (with English translation of FR 2 761 255 A), PCT/US01/42910, PCT/US01/48657, PCT/US02/39677" (emphasis added). Accordingly, it is respectfully requested that the Examiner initial the attached form 1449 explicitly listing FR 2 761 255 A to make it of record as having been considered. Another copy of FR 2 761 255 A and an English translation thereof is attached for the convenience of the Examiner.

#### Objection to the Drawings

Withdrawal of the objection to the drawings is respectfully requested in view of the proposed drawing amendments set forth above. Specifically, the two drawings of former FIG. 24B have been separately labeled as FIG. 24B1 and FIG. 24B2, and FIG. 24C has been amended to include the cross-sectional view 24C-24C. No new matter has been added. Entry of the proposed amendments is respectfully requested.

### Claim rejections

The claims were rejected under 35 USC §§ 102 and 103. Claim 42 was objected to, but indicated to be allowable if rewritten in independent form. Accordingly, the limitations of claim 42 have been incorporated into claim 1, and therefore claim 1 is allowable. Claims 1, 39-41 and 43-45 depend on claim 1 and are therefore likewise

App. Ser. No. 09/928,429 Attorney Dkt. No. 10551/193

allowable. Withdrawal of the rejection of claims 1, 39-41 and 43-45 is therefore respectfully requested.

In light of the above discussion, Applicant respectfully submits that the present application is in all aspects in allowable condition, and earnestly solicits favorable reconsideration and early issuance of a Notice of Allowance.

The Examiner is invited to contact the undersigned at (202) 220-4323 to discuss any matter concerning this application. The Office is authorized to charge any fees related to this communication to Deposit Account No. 11-0600.

By:

Respectfully submitted,

Dated: <u>SEP- 2**%**, 2</u>0.0 Y

William E. Curry Reg. No. 43,572

KENYON & KENYON 1500 K Street, N.W., Suite 700 Washington, D.C. 20005

Tel: (202) 220-4200 Fax:(202) 220-4201

、申請案號數:〇九〇一二一〇六二

受 文 者:科技蓆墊公司(代理人:陳長文 先生

地 址:台北市敦化北路二○一號七樓

發文字號:〈 九一〉智專一(四)02061字 發文日期 :中華民國九十一年八月十九日 第〇九一八三〇一四三一一號

三、申請人: 、發明名稱:先進的地板墊

名稱 科技蓆墊公司

地 · 址 : 美國

專利代理人:

姓名: 陳長文 先生

地址: 台北市敦化北路二〇 一號七樓

五、申請日期:九十年八月二十七日

六、優先權項目

2000/08/25 美國60/227,596

專利分類IPC(7)··· A47L 23/22

9. (12 13)



審查 人員姓名: 魏廣炯 委員

定 內 容

主 文 本案應不予專利

依 據: 專 利法第二十條第二項

# 由:

本案主要係將發黏鑲 入件收納在含底座墊底層和不發粘層 之地 板墊 一凹穴 內 發黏 鑲 入 件

查本國七十二年七月十六 含至少一層具發 黏 面 之撓 日專利、 性 材 料; 公報第五一 及製 造地 七八 板墊 一發粘 號「階梯用踏墊 鋃 件 之 過 程 (三)二 附

如

件

發黏鑲 底層壓合並 ,其已在底層 入件 沖 之收 切 之製 納 顯 防 示為 滑層 程 , 於本國八十九年六月廿一日專利公報第三九四六七 上揭引證資料同等技術思想之運用;另本案將 面 間 設有一嵌裝區域,以供踏面 墊可裝卸地 附於該 頂層 九 區域 號 標 準層及 清潔 本 案

物 品及其製造方法」 顯 見本案 之製程也屬於習知墊層物品製造 如 附件二),其亦已揭示將各層狀材料壓合後 加工型式。本案雖在型式 並 細 加 部 以 實 切 施 斷 上 之 稍 過

案為運用申請前 有 調 整 然本案主要技術思想已由上揭二引證資料揭示 既有技術所能輕易完成者,亦為非利 用自然法 , 當屬 則 可輕 之技術思相 易組 合轉用 之高度創 者 故

據 上 一論結 ,本案不符法定專利要件,爰依專利法第二十條第二項,審定如主文。 不具進步性



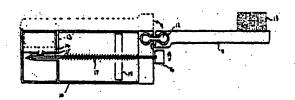
第二頁

整(專利說明書及圖式合計在五十頁以上者,每五十頁加收新台幣五百元,其不足五十頁者以 五十頁計) 不服本審定,得於文到之次日起三十日內,備具再審查理由書一式二份及規費新台幣陸仟元 ,向本局申請再審查。 依照分層負責規定授權單位主管決行 専利公和 PATENT CAZ紹TE 90/2/06ン 続期y Model

51781

伸構件,該延伸構件並設有一可於上述牙膏擠壓構件中作單一方向階梯式 移動之裝置,以容許其可沿上述棘齒 ,於延伸構件上被反向移動者。

- 25.如請求專利部份第21至24.項任一項所 述之裝置,其中延伸構件係延伸經牙 育擠壓構件之孔道中心,而其呈階梯 式移動之裝置係呈圓錐狀或可膨脹式 ,另延伸構件上設有複數個具彈性、 圓錐狀或其他形狀之構件,被排列成 可依一方向移動,以經由一定之壓擠 穿過孔道,然後膨脹反抵于擠壓構件 之另一面,以防止上述階梯式移動裝 置由另一方向通過孔道者。
- 26.如請求專利部份第21至25.項任一項所 述之裝置,其中牙膏容器與牙刷構件 上設有適當之掣子裝置,以保持其於 使用位置,並容許移動至不使用位置 者。
- 27.如請求專利部份第21項所述之裝置, 其中牙刷構件係可相對於把手構件伸 縮自如,以從伸長之使用位置縮短成 不使用狀態者。
- 28.如請求專利部份第21項所述之裝置, 其於不使用時,牙刷構件係可從把手 構件分離,以縮小其全長者。
- 29.一參照附圖如說明書所述之裝置者。



一、申請案號數:七〇二五六五八(原六

九一一二七五改請)

二、創作之名稱:階梯用踏墊回

三、申請人姓名:中技術研究所股份有限

公司

住址:日本

專利代理人: 陳世雄律師

四、申請之日期:六十九年五月三日

五、請求專利部份:

1一種具有:

置於梯踏面且在後緣突設圓緣邊之合 成樹脂製可撓性踏面基板。

突出在踏面基板之前線上以便置於梯 先端線且在頂面具有防滑面並在內部 形成縱長方向空心部之軟質合成樹脂 製圓綠蓋,及

自圓綠蓋之前綠朝下方垂直延伸以便 配置於梯蹴面之軟質合成樹脂製裙部

之階梯用踏墊,其特徵爲:

分別在圓綠蓋及圓綠邊形成使上方互 相朝對方方向突出之類斜嵌接面,藉 此在踏面基板上面界定一嵌裝區域, 且將踏面墊可裝卸地裝附於該嵌裝區 域。

2 如請求專利部份第 1 項之階梯用踏整 ,兩傾斜嵌接面具有互朝嵌裝區域開 口之嵌接溝。

51781 階梯用踏墊台

附

中華民國專利公報 [19] [12]

[11]公告編號: 394679

[44]中華民國 89年 (2000) 06月21日

發明

[51] Int.Cl 06: A47L13/00

全 5 頁

(54)名 稱: 清潔用物品及其製造方法

[21]申請案號: 087119506

[22]申請日期: 中華民國 87年 (1998) 11月24日

[30]優先權: [31]346018 [32]1997/12/16 [33]日本

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[74]代理人: 林志剛 先生

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### [57]申請專利範圍:

- 1.一種清潔用物品,其特徵係於基材薄片 之單面或兩面上・重疊有纖維和長方形 狀薄片層之至少一方所成之層,前述基 材薄片和前述層,係經由向與纖維和長 方形狀薄片之至少一方所延伸方向交叉 之方向延伸的複數接合線加以接合,且 於前述接合線和接合線之間,前述基板 薄片和前述層則形成呈部分切斷之切斷 部,於前述緯合線和接合線間,於不存 在前述切斷部之範圍中,形成延伸於前 述接合線和接合線間的前述層之未切斷 部者。
- 2.如申請專利範圍第1項之清潔用物品, 其中,自前述切斷部向前述切斷部延伸 之前述層則形成朝向自前述基板薄片之 面離開之方向的刷毛狀部。
- 3.如申請專利範圍第2項之清潔用物品, 其中·前述切斷部係形成於間隙線狀· 與前述接合線平行延伸者·
- 4.如申請專利範圍第3項之清潔用物品,

其中·前述接合線之延伸方向及前述間 隊線狀之切斷部的延伸方向,則對於前 述纖維和長方形狀薄片 之至少一方所延 伸之方向呈傾斜者。

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- 5.如申請專利範圍第1項之清潔用物品, 其中·前述切斷部係形成呈間隙線狀· 與前述接合線平行地加以延伸。
- 6.如申請專利範圍第5項之清潔用物品, 其中,前述接合線之延伸方向及前述間 10. **隙線狀之切斷部的延伸方向,則對於前** 述纖維和長方形狀薄片之至少一方所延 伸之方向呈傾斜者。
- 7.如申請專利範圍第1項之清潔用物品, 其中,位於前述接合級和接合線間之切 15. 断部,則形成於接近一方接合線之位置 者。
  - 8.如申請專利範圍第2項之清潔用物品, 其中·位於前述接合線和接合線間之切 断部,則形成於接近一方接合線之位置
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- 9.如申請專利範圍第5項之清潔用物品, 其中,位於前述接合線和接合線間之切 斷部,則形成於接近一方接合線之位置 者。
- 10.如申請專利範圍第1項之清潔用物品,其中,前述接合線係連續線者。
- 11. 如申請專利範圍第1項之滿潔用物品,其中,前述接合線係間除線者。
- 12.如申請專利範圍第1項之清潔用物品,其中,前述接合線為波形者。
- 13.如申請專利範圍第1項之消潔用物品,其中,前述基材薄片和前述屬含有熱塑性樹脂,前述接合線係經由熔著前述層和基材薄片加以形成。
- 14.如申請專利範圍第1項之滿潔用物品,其中,自前述接合線向切斷部延伸之層長為3mm以上。
- 15.如申請專利範圍第1項之清潔用物品,其中,前述層係包含不同旦尼爾之 纖維。
- 16.如申請專利範圍第1項至第15項之任 一項之清潔用物品,其中,含有油劑 者。
- 17.如申請專利範圍第 16 項之滑潔用物品,其中,前述油劑為吸覆塵埃者·
- 18.一種清潔用物品之製造方法·其特徵 係至少包含以下之工程者:
  - (a)供給基材薄片,和纖維和長方形狀薄 片之至少一者所成之層,於前述基材薄 片之單面或兩面重疊前述層之工程,
- (b)將前述基材薄片和前述層,經由與 前述纖維和長方形狀薄片之至少一方所 延伸之方向交叉的複數接合線加以接合 之工程,
- (c)於前述接合線和接合線間,部分切斷 前述基材薄片和前述層,形成切斷部之 工程。
- (d)於前述(c)之工程後,切斷前述基材 薄片和前述層,得各滑潔用物品之工程。

- 19.如申請專利範圍第18項之清潔用物品 之製造方法,其中,於前述(c)之工程 後,更包含(e)將自前述接合線向前述切 斷線延伸之前述層,如向自前述基材海 片離開之方向形成刷毛狀部之工程。
- 20.如申請專利範圍第19項之清潔用物品之製造方法,其中,於前述基材薄片和前述層,使用含有熱塑性樹脂者,於前述(b)之工程中,將前述基材薄片和前述層,進行熱熔著或組音波熔著,形成

前述接合線者。

前述接合線者。

- 21 如申請專利範圍第 18 項之清潔用物品 之製造方法,其中,於前述基材薄片和 前述層,使用含有熱型性樹脂者,於前 述(b)之工程中,將前述基材薄片和前 述層,進行熱熔著或超音波熔著,形成
- 22.如申請專利範圍第18項之清潔用物品 之製造方法,其中,於前述(c)之工程 中,切斷係以刀具進行者。
- 23.如申請專利範圍第19項之清潔用物品 之製造方法,其中,於前述(c)之工程 中,切斷係以刀具進行者。
- 24.如申請專利範圍第20項之清潔用物品 25. 之製造方法,其中,於前述(c)之工程 中,切斷係以刀具進行者。
  - 25.如申請專利範圍第21項之清潔用物品 之製造方法,其中,於前述(c)之工程 中,切斷係以刀具進行者。
- 30. 26.如申請專利範圍第20項之清潔用物品 之製造方法,其中,於前述(c)之工程 中,切斷係經由熱熔斷或使用超音波熔 斷加以進行者。
  - 27.如申請專利範圍第21項之清潔用物品 35. 之製造方法,其中,於前述(c)之工程 中,切斷係經由熱熔斷或使用超音波熔 斷加以進行者,
    - 28.如申請專利範圍第18項之清潔用物品 之製造方法·其中·於前述(a)之工程所 供給之前述層係向供給方向連續之複數

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條之長纖維所成纖維束者。

- 29.如申請專利範圍第 19 項之清潔用物品 之製造方法,其中,於前述(a)之工程所 供給之前述層係向供給方向連續之複數 條之長纖維所成纖維束者。
- 30.如申請專利範圍第20項之清潔用物品 之製造方法,其中,於前述(a)之工程所 供給之前述層係向供給方向連續之複數 條之長纖維所成纖維束者。
- 31.如申請專利範圍第21項之清潔用物品 之製造方法,其中,於前述(a)之工程所 供給之前述層係向供給方向連續之複數 條之長纖維所成纖維束者。

### 圖式簡單說明:

第一圖(A)係顯示本發明的清潔用物

品之一例的斜視圖,(B)係(A)之部份擴大圖。

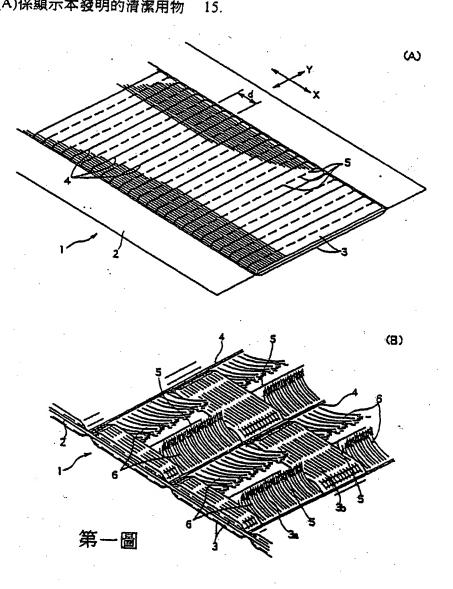
第二個係將本發明的清潔用物品設 置在清潔用具之一例顯示的斜視個。

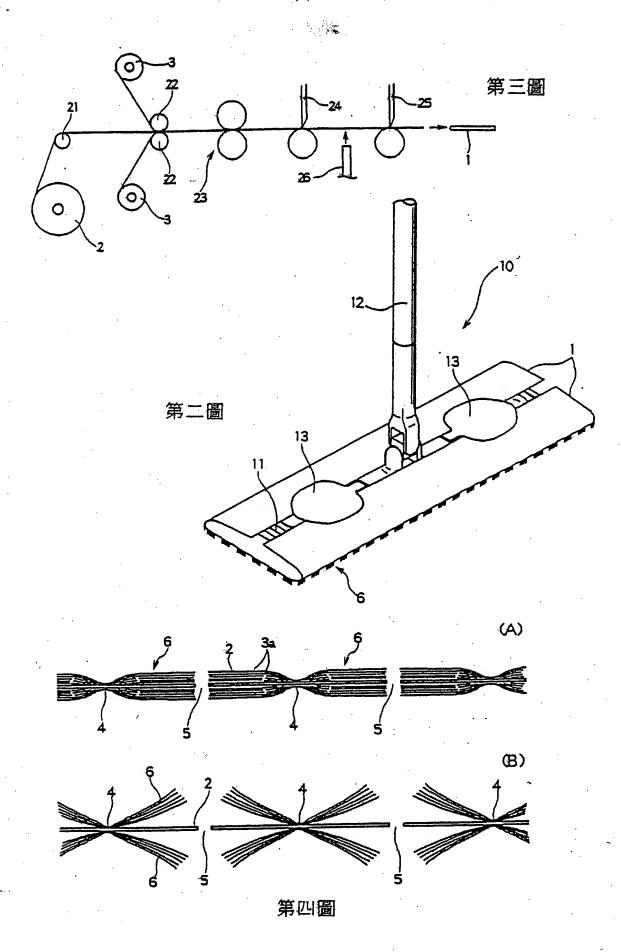
5. 第三圖係顯示本發明之清潔用物品的製造工程之一例的圖。

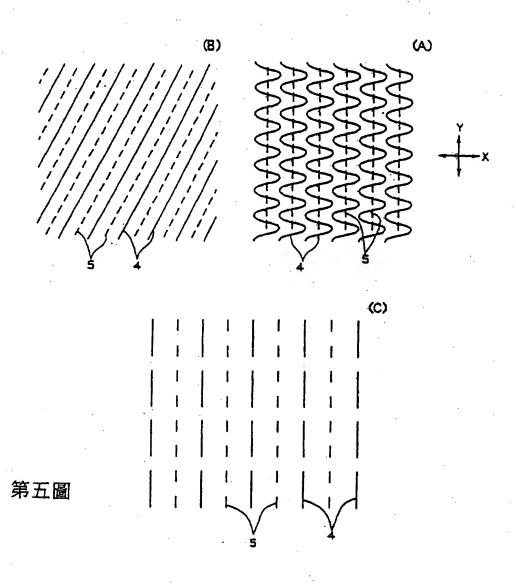
第四圖(A)係本發明之清潔用物品的刷毛狀部之斷面的部份斷面圖,(B)係本發明之清潔用物品的起毛之刷毛狀部的斷面之部份斷面圖。

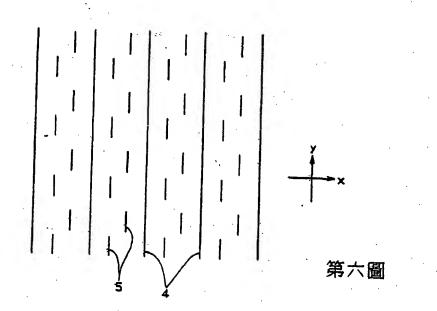
第五圖(A)·(B)·(C)係顯示本發明的清潔用物品之其他一例的平面圖。

第六圖係本發明之清潔用物品的平 面之部份擴大圖。









(ROC \$1781)

 $\mathcal{C}$ 

Citation Lis directed to a stair mat (10, 20), which comprises a stair base (11, 21) located on the step top surface (81) having a rounded edge (24) at the rear end thereof; a rounded cover (14, 23) made of soft synthetic resin material integrally formed at front edge of the step base (11, 21) and cooperating with the rounded edge (24) to form an insert area (25) on the step base (11, 21) and having hollow portions (27, 28); and a stair mat (12) removably attached to the insert area (25) of the step base (11, 21).

The stair mat made according to Citation I is to equip itself with the functions of anti-slip, sound absorption, and cushion. It is the stair mat (12) that provides the anti-slip and sound absorption functions, and the hollow portions (27, 28) that provides the cushion function.

Citation II is directed to a cleaning article (1) for a mop (10). The cleaning article is made of non-woven material and is disposable. The substrate (2) of the cleaning article has one or two surfaces in which a long-fiber layer or a rectangular sheet layer (3) is provided along the X direction indicated in Fig. 1. The bounded lines (4) are provided across the X direction and are spaced from each other at a distance "d." The substrate (2) and the layer (3) are bounded together by the bounded lines (4). The substrate (2) and the layer (3) are severed at the location between the bounded lines (4) and form the severed portions (5). The layer (3) at which it is severed forms the brush portions (6).

### ROC 328711

- [11] Publication No. 328771
- [44] Publication Date: 21 March 1998
- [51] IPC: A47L23/22 Category of Patent: New Utility Model
- [54] Title of Invention: Novel Floor Mat Assembly
- [21] Patent Application No. 86214417
- [22] Filing Date: 23 August 1997
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- [71] Applicant: Young-Long Lin Address: 2<sup>nd</sup> Floor, No. 228, Ann-Kong Road, Nae-Hu District, Taipei City, Taiwan, R.O.C.
- [74] Patent Agent: Lian-Cheu Chang
- [57] Claim:
- 1. A novel floor mat assembly, in construction, comprising:

a plurality of extruded profiles (10) each having an upper portion formed with an engaging slot (12) for receiving a piece of soft material (60) of a floor mat, two opposite sides each formed with a "4" "-shaped connecting slot (14), at least a support (16) formed below the engaging slot (12), and a lower recess (18) formed between every two adjacent supports (16);

a non-metallic and soft inter-connecting element (20) having two opposite sides each formed with a conical body (22) for engaging the connecting slot (14), and a bottom formed with a tooth-like surface (24) for contacting with a ground surface;

a left and a right side frame elements (30) each having a outward slant (31) and a conical body (32) inward extending for engaging the connecting slot (14); and

a front and a rear frame elements (40) each having an outward slant (41) and a tab (42) inward extending to the lower recess (18) and riveted and fixed to an upper wall (19) of the lower recess (18).

- 2. The novel floor mat assembly of Claim 1, wherein the inter-connecting element (20) is made of soft material, such as rubber, plastic or the like, and formed with a central hole (25) for enhancing a cushioning effect.
- 3. The novel floor mat assembly of Claim 1, wherein one of the side frame elements (50) is formed with a "{]"-shaped connecting slot (52) at its outer edge, a tooth-like surface (51) on its upper surface, and a conical body (53) at its inner edge; wherein the conical body (51) is adapted to engage the connecting slot (52) as desired, and the " "-shaped connecting slot (52) is adapted to engage the conical body (53) of the left or right side frame element.
- 4. The novel floor mat assembly of Claim 1, wherein the left and right side frame elements (30) and the front and rear frame elements (40) each are formed with a tooth-like surface (33) at its bottom, hollow through holes (34) within its interior and a protruding pattern (35) on the slant (31, 41).

### Brief Description of the Accompanying Drawings:

- Fig. 1 is a perspective view of a single extruded profile of the present invention;
- Fig. 2 is a perspective view of the connecting element of the present invention;
- Fig. 3 is a perspective view of the embodiment of the present invention with a partial parts being cut off;
- Fig. 4 is a plan view of the extruded profile and side frame elements of the present invention;
- Fig. 5 is a fragmentally cross-sectional view taken along Line A-A of Fig. 5;
- Fig. 6 is a schematically cross-sectional view showing that the tabs of the front and rear frame elements engaging the extruded profile; and
- Fig. 7 is a perspective view of the side frame element of the present invention.

### CONCISE EXPLANATION OF RELEVANCY

ROC Patent Publication No. 328711 published in ROC Patent Gazette on 21 March 1998 (see enclosure) has already disclosed a "Novel Floor Mat Assembly" comprising a base construction having a non-tacky surface for receiving the soles of a person's shoes thereon, and a cleanable floor mat that has slots for engaging the frame elements of the base construction and a tacky surface for receiving the soles of the shoes thereon. Therefore, the technical concept underlying the subject invention as to providing a floor mat by combining a base portion and a cleanable portion has been disclosed in the cited reference. Though a variety of embodiments are provided in the subject invention, they are considered the simple modification or combination in view of the conventional technical concept and commonly known designing knowledge. The subject invention is not a high level innovation of technical concepts by which natural rules are utilized, and can be easily accomplished by persons skilled in the art by simply utilizing conventional technology known prior to applying for patent. The subject invention is devoid of an inventive step.

In view of the above, the application does not meet the provisions of Paragraph 2, Article 20 of the Patent Law and patent rights are not granted thereto.

Sealed By

Chen, Ming-Bang Commissioner

Note: If dissatisfied with the decision, the applicant may file a request for reexamination within 30 days following the date of receipt of this decision. (II)公告編號:328711

(44)中華民國87年(1998)()3月21日

(51) Int · C | 6: A47L23/22

第 89/08380 號初審(訴願)引証附件

(54)名

稍:新型組合腳踏墊

(21) 申 請 案 號:86214417

(22)申請日期:中華民國86年(1997)08月23日

(72) 前 作 人: 林永隆

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(74)代 理 人:張良舉 先生

ι

#### [57] 申請專利範圍:

- 1. 一種新型組合腳踏墊,依結構乃包含: 一複數之擠型體基材上方形成供地墊軟 性材料嵌接之嵌接槽,雙側邊形成側視 為**引**形的連結槽,嵌接槽之下方形成至 少一支以上之凸腳,每相鄰之二凸腳間 形成一下凹槽;
  - 一非金屬製之軟性銜接體其二側形成一 錐形體可卡接入連結槽中,底部形成具 有棘齒狀面可接觸於地板上;
  - 一左、右側收邊條其外表面係呈斜面, 而內側銜接端亦設有延伸狀之錐形體可 卡掣入連結槽中;
  - 一前、後側收邊條其外表面係斜面,而內側銜接端係呈凸片可延伸下凹槽並由拉釘(或鉚釘)固定下凹槽之上槽壁上為其特徵。
- 2. 依據申請專利範圍第1項所述之新型組合腳踏墊,其中銜接體係橡膠或塑膠等軟性材質製成,其中央設有空洞可增加受力之緩衝效果者。

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- 3 依據申請專利範圍第1項所述之新型組 合腳踏墊,其中一側邊條其外側呈引形 的連結槽,上方可依需要設棘齒面,內 側設有錐形體,該錐形體可依據施工之 必要卡掣入連結槽中,而引形的連結槽 可依需要與左、右側收邊條之錐形體相 卡掣配合者。
- 4. 依據申請專利範圍第1項所述之新型組 合腳踏墊,其中左、右側收邊條及前、 後側收邊條之底面設有棘齒面且內部設
- 10. 後側收邊條之底面設有棘齒面且內部設 有中空洞,而斜面設有凸紋路者。

### 圖示簡單說明:

第一圖為本創作單獨擠型體基材之 立體圖。

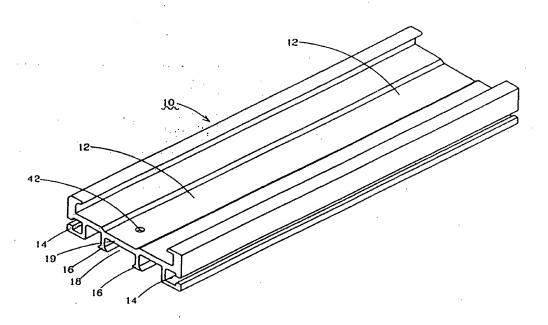
15. 第二圖為本創作連接體之立體圖。 第三圖為本創作實施例之局部斷面 立體圖。

> 第四圖為本創作擠型體基材與邊條 凸體之平面圖。

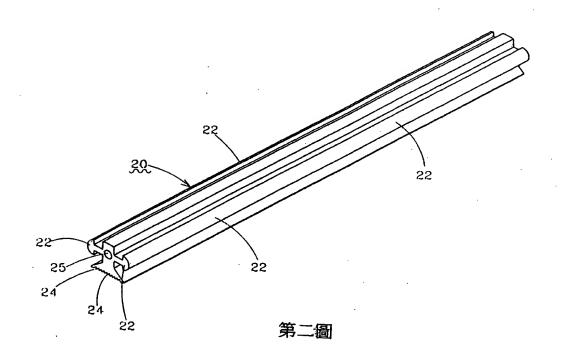
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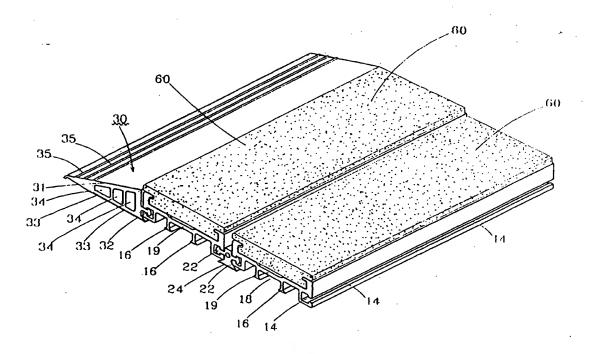
第六圖為前、後側收邊條其凸片與

基材結合之斷面示意圖 (A)(B)。 第七圖為本創作側邊條之立體圖。

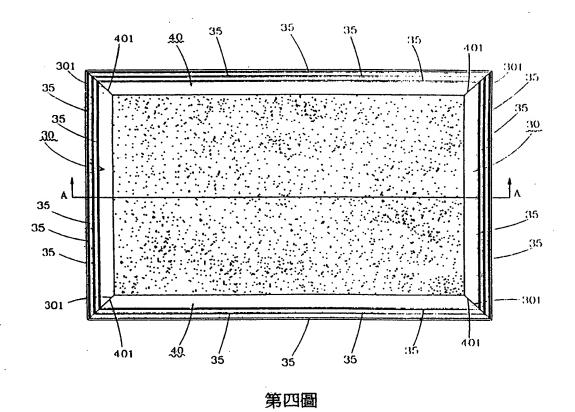


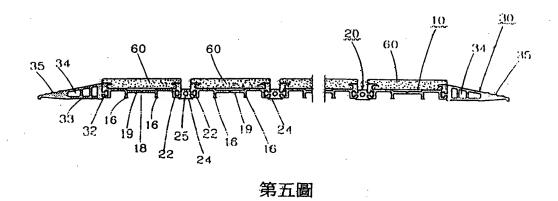
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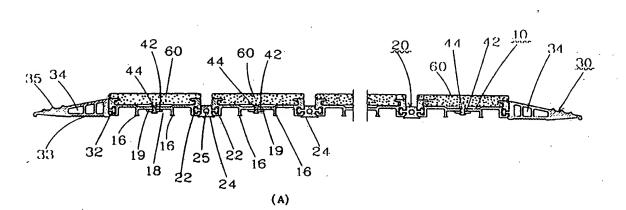


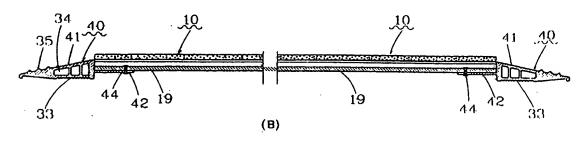


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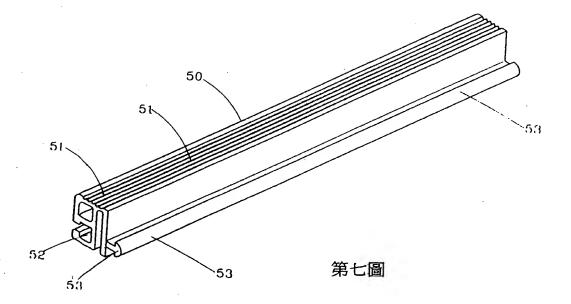








第六圖



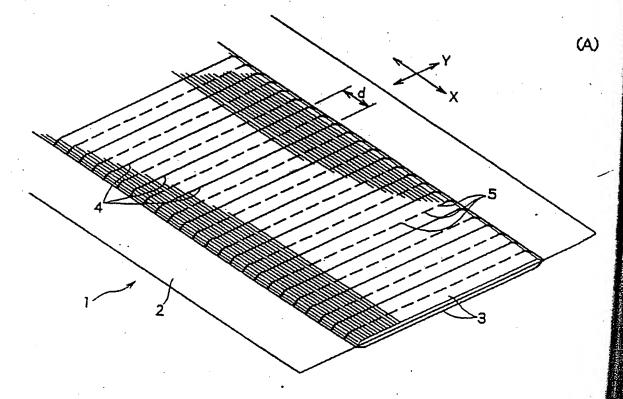
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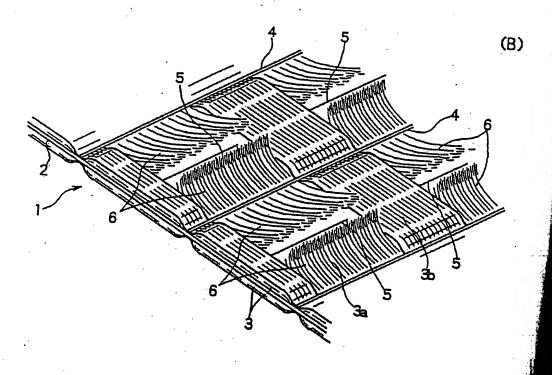
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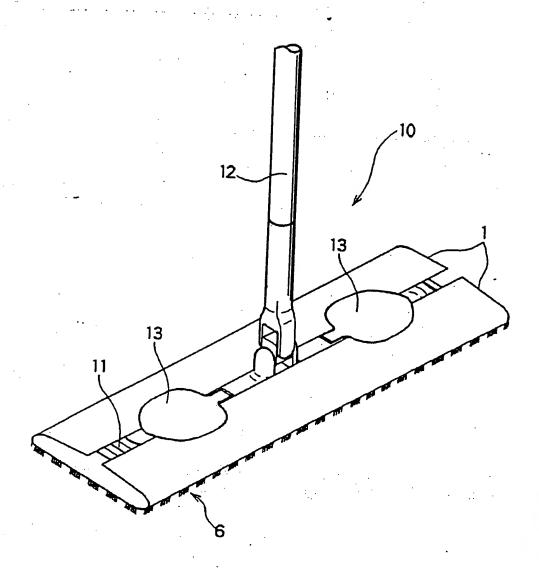
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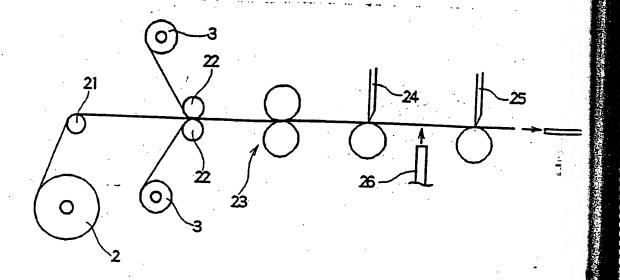


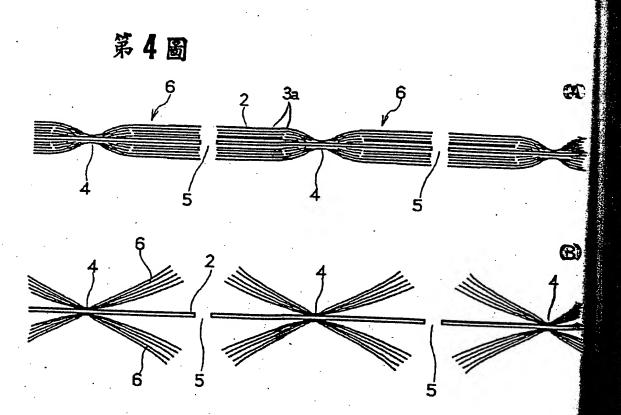


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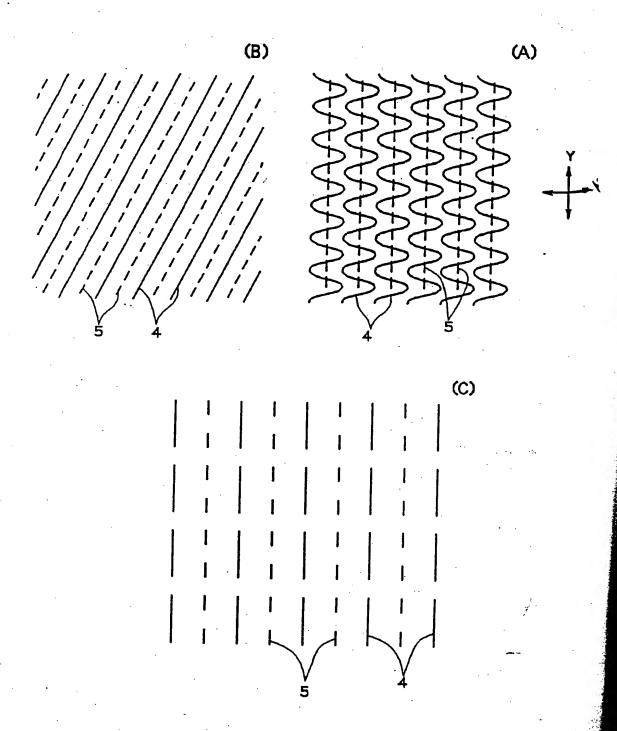


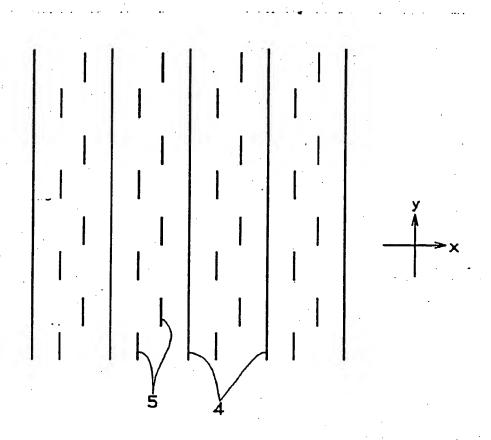
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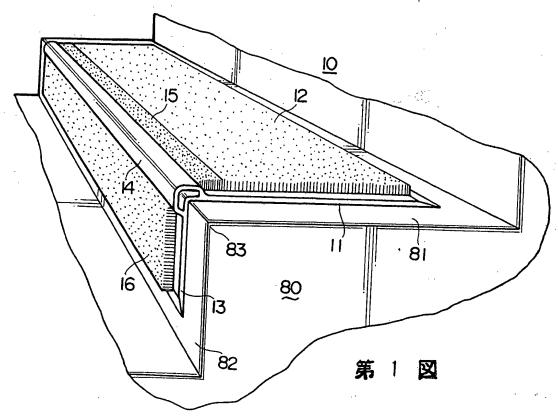
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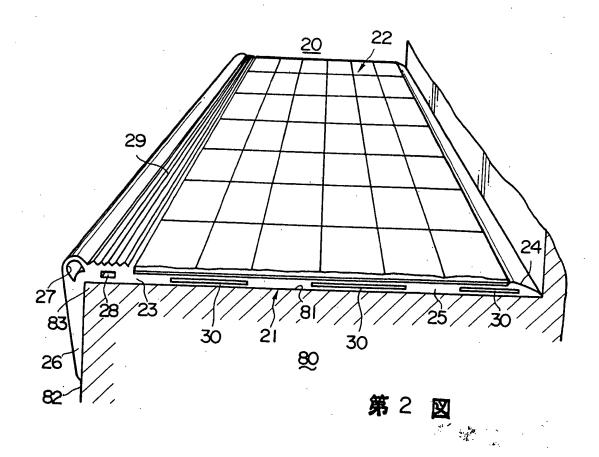


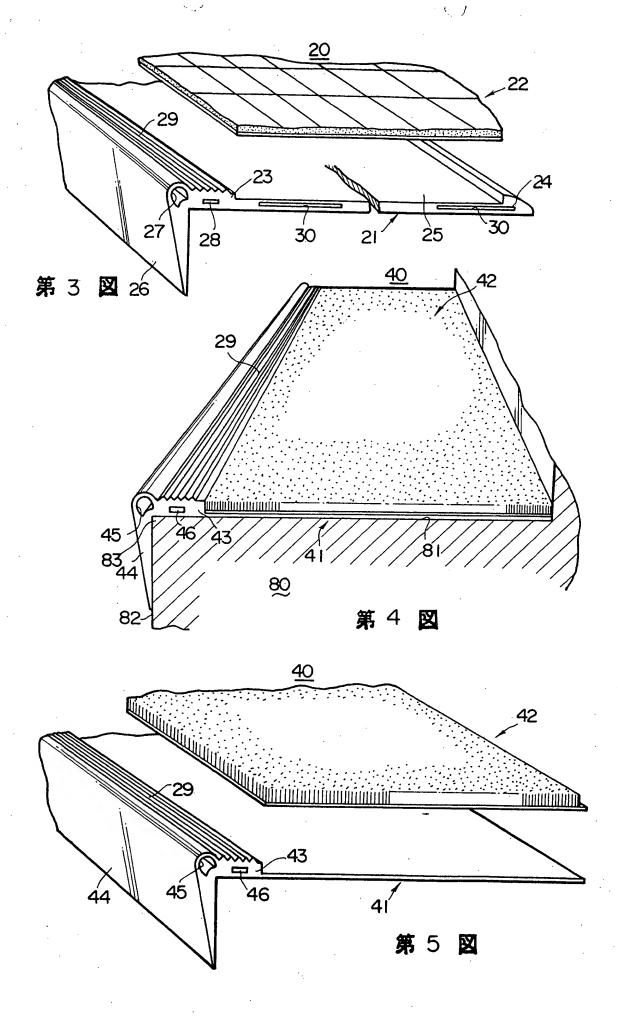


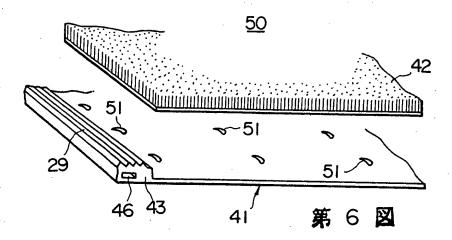
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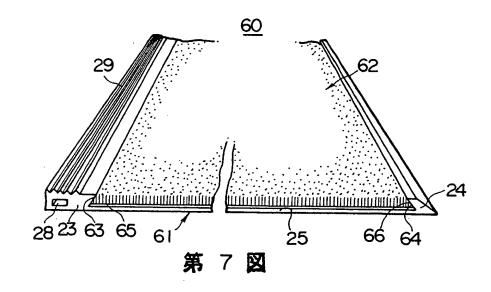
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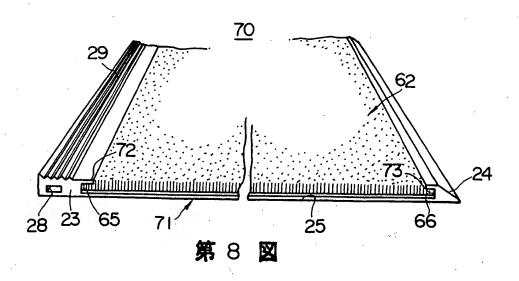












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